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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,376		12/27/2001	Frans Eduard Janssens	JANS-0028	6402
	7590	09/17/2004		EXAMINER	
Woodcock	Washbur	n .	COLEMAN, BRENDA LIBBY		
46th Floor One Liberty	Place		ART UNIT	PAPER NUMBER	
Philadelphia		103		1,624	
				DATE MAILED: 09/17/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicat	ion No.	Applicant(s)					
	Office Action Summary	10/019,3		JANSSENS ET AL.					
	,	Examine		Art Unit					
	The MAILING DATE of this communicat		Coleman	1624					
Period fo	or Reply	uon appears on u	ie cover sneet with	the correspondence address					
THE - Exte after - If the - If NO - Failt Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nsions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30) data period for reply is specified above, the maximum statutor are to reply within the set or extended period for reply will, reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ATION. 7 CFR 1.136(a). In no ecation. ays, a reply within the state or a reply within the state of the state	event, however, may a repleted the state of thirty (3 will expire SIX (6) MONTH splication to become ABAN	ly be timely filed 30) days will be considered timely. IS from the mailing date of this communication.					
Status				•					
1) 又	Responsive to communication(s) filed on <u>24 June 2004</u> .								
	_								
3)	Since this application is in condition for			s, prosecution as to the merits is					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	ion of Claims								
	Claim(s) <u>1,3-13 and 16-19</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.								
	Claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) <u>1,3-13 and 16-19</u> is/are rejected.								
	Claim(s) are subject to restriction and/or election requirement.								
Annlicati	on Papers								
	•								
9) The specification is objected to by the Examiner.									
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
		THE EXAMINET. IV	ole line allached O	mice Action of form PTO-132.					
Priority u	ınder 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received									
	 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No 								
	3. Copies of the certified copies of the priority documents have been received in this National Stage 3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the International I			ceived in this National Stage					
* See the attached detailed Office action for a list of the certified copies not received.									
			:						
Attachment	:(s)								
	e of References Cited (PTO-892)		4) Interview Sum						
	e of Draftsperson's Patent Drawing Review (PTO-9 nation Disclosure Statement(s) (PTO-1449 or PTO			fail Date mal Patent Application (PTO-152)					
Paper No(s)/Mail Date 6) Other:									

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DETAILED ACTION

Claims 1, 3-13 and 16-19 are pending in the application.

This action is in response to applicants' amendment dated June 24, 2004.

Claims 1, 6 and 13 were amended.

Response to Arguments

Applicant's arguments filed June 24, 2004 have been fully considered with the following effect:

1. With regards to the 35 U.S.C. § 112, first paragraph rejection labeled paragraph 2 in the last office action, the applicant's stated that a skilled artisan would know how to make and use ester and amide derivatives of the compounds of formula (I) that would be hydrolyzed *in vivo* to form the compounds of formula (I). However, the definition of pro-drug in the specification is such that pro-drug refers to "pharmacologically acceptable derivatives, e.g. esters and amides, such that the resulting biotransformation product of the derivative is the active drug as defined in the compounds of formula (I).

The term pro-drug is of indeterminate scope in that they vary widely from drug to drug. It is not known which moiety of formula (I) would form the basis for the pro-drug. Every ester and amide in theory is biohydrolyzable, i.e. is capable in some degree of hydrolyses. Not to mention the many in vivo environments that this occurs in. It is the Wands factors, which are used to evaluate the enablement question. In re Wands, 8 USPQ2d 1400 (Fed. Cir. 1988); Ex parte Forman, 230 USPQ 546. The factors include: 1) The nature of the invention, 2) the state of the prior art, 3) the predictability or lack thereof in the art, 4) the amount of direction or guidance present, 5)

the presence or absence of working examples, 6) the breadth of the claims, and 7) the quantity of experimentation needed.

The nature of the invention in the instant invention, has claims which embrace substituted benzoimidazole compounds. The instant compounds of formula (I) wherein the pro-drugs are not described in the disclosure in such a way the one of ordinary skill in the art would no how to prepare the various compounds suggested by claims 1, 3-9, 13 and 16-19. In view of the lack of direction provided in the specification regarding starting materials, the lack of working examples, and the general unpredictability of chemical reactions, it would take an undue amount of experimentation for one skilled in the art to make the claimed compounds and therefore practice the invention.

Claims 1, 3-9, 13 and 16-19 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention, for reasons of record and stated above.

- 2. The applicants amendments and arguments are sufficient to overcome the 35 U.S.C. § 112, second paragraph rejections labeled 3a), b), c), e), f), g), h) and i) in the last office action, which are hereby **withdrawn**. However, with regards to the 35 U.S.C. § 112, second paragraph rejection labeled d), the applicant's amendments and remarks have been fully considered but they are not persuasive.
 - d) The applicant's failed to comment on this rejection where it is not known what is meant by the definition of R² which is mono-valent, however, one of the moieties is divalent, i.e. C₂₋₅alkanediyl.

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Claims 1, 3, 5, 7-13 and 16-19 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention, for reasons of record and stated above.

In view of the amendment dated June 24, 2004, the following new grounds of rejection apply:

Specification

3. The incorporation of essential material in the specification by reference to a foreign application or patent, or to a publication is improper. Applicant is required to amend the disclosure to include the material incorporated by reference. The amendment must be accompanied by an affidavit or declaration executed by the applicant, or a practitioner representing the applicant, stating that the amendatory material consists of the same material incorporated by reference in the referencing application. See *In re Hawkins*, 486 F.2d 569, 179 USPQ 157 (CCPA 1973); *In re Hawkins*, 486 F.2d 579, 179 USPQ 163 (CCPA 1973); and *In re Hawkins*, 486 F.2d 577, 179 USPQ 167 (CCPA 1973).

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

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4. Claims 1, 3-5, 7-13 and 16-19 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The definition of R¹, where R¹ includes the moiety "isoquinolinyl" on page 3 of the amendment is not defined in the specification with respect to the genus of Formula (I).

Applicant is required to cancel the new matter in the reply to this Office action.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

- 5. Claims 5, 13 and 16-19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The following reasons apply:
 - a) Claim 5 is vague and indefinite in that it is not stated in the form of a proper Markush grouping, i.e. "and" does not appear before the last moiety of the Markush group.
 - b) Claims 13 and 16-19 are vague and indefinite in that it is not known what is meant by both of the nitrogen atoms of the benzimidazoles structures labeled formulae (X-a) and (I-a-1-3-1), which are not valence satisfied.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11

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F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

6. Claims 1, 3-13 and 16-19 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-16 of U.S. Patent No. 6,747,028. Although the conflicting claims are not identical, they are not patentably distinct from each other because the compounds, compositions process of preparing and method of use of the compounds of formula (I) of the instant invention embraces the compounds, compositions, process of preparing and method of use of the compounds of formula (I) of U.S. '028 where Q is (b-4), (b-5) or (b-6).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda Coleman whose telephone number is 571-272-0665. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mukund Shah can be reached on 571-272-0674. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brenda Coleman

Brenda Coleman

Primary Examiner Art Unit 1624

September 14, 2004